

Permit to Operate

FACILITY: S-43

EXPIRATION DATE: 08/31/200

LEGAL OWNER OR OPERATOR: AERA ENERGY LLC

MAILING ADDRESS: P O BOX 11164
BAKERSFIELD, CA 93389

FACILITY LOCATION: LOST HILLS GAS PLANT
, CA

FACILITY DESCRIPTION: NATURAL GAS PRODUCTION

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director / APCO

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Director of Permit Services

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-0-1

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

PERMIT UNIT REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031]
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.6.2 and 1100, 7.0]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8]
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2]

Initial TV Permit

14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92). [District Rule 4601, 5.2]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92). [District Rule 4601, 6.1 and 6.2]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.14.1 and 10.0]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart F. [40 CFR Part 82, Subpart F]
31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4 of Rule 8020 (4/25/96). [District Rule 8020]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4 of Rule 8030 (4/25/96). [District Rule 8030]

Initial TV Permit

33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4 of Rule 8060 (4/25/96). [District Rule 8060]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1]
38. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102], [Federally Enforceable Through Title V]
39. The facility shall comply with all applicable requirements regarding preparation and implementation of a Risk Management Plan and shall abide by all applicable sections of 40 CFR Part 68. [40 CFR Part 68], [Federally Enforceable Through Title V]
40. A leak is defined as 1) a reading as methane in excess of 10,000 ppm above background when measured in accordance with EPA Method 21, or 2) liquids dripping so that there is any visible leakage from the seal, including spraying, misting, clouding, and ice formation. [District Rule 4403, 3.3.1 and 40CFR60.481 and 482-2(b)(1)], [Federally Enforceable Through Title V]
41. The instrument used for leak detection shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) zero air (less than 10 ppm of hydrocarbon in air) and B) mixture of methane and air at a concentration of about, but less than 10,000 ppm methane. [District Rule 4403, 3.3.1], [Federally Enforceable Through Title V]
42. Each piece of equipment or component subject to requirements of this permit unit shall be presumed to be in VOC service or in wet gas service and shall be tested for compliance with leak emission limits. [40 CFR 60.485(d) and 60.632(f)], [Federally Enforceable Through Title V]
43. Leak detection shall be performed in accordance with EPA Method 21. [District Rule 4403, 6.3.4], [Federally Enforceable Through Title V]
44. Each hatch shall be closed at all times except during sampling or attended maintenance operations. [District Rule 4403, 5.2.1], [Federally Enforceable Through Title V]
45. All components, excluding flanges and threaded connections, handling VOCs shall be inspected at least quarterly to detect any leaks. If less than two (2) percent of any component type subject to the prohibitions of this permit, except for pressure relief valves, pumps, and compressors, are found to leak during each of five (5) consecutive quarterly inspections, the inspection frequency for that component type may be changed from quarterly to annual. If any annual inspection shows that two (2) percent or more of all of a specific component type subject to the prohibitions of this permit are leaking, then quarterly inspections of that component type shall be resumed. All flanges and threaded connections handling VOCs shall be inspected at least annually to detect any leaks. [District Rule 4403, 5.2.3], [Federally Enforceable Through Title V]
46. The operator shall notify the APCO if they have elected to comply with the allowable percentage of leaking valves provisions of this permit 90 days before implementing this alternative. [40 CFR 60.483-1(b)(1) and (d), and 60.487(d)], [Federally Enforceable Through Title V]
47. A performance test shall be conducted initially upon designation for allowable percentage of leaking valves, annually, and at other times requested by the APCO. The performance test shall be conducted as follows: 1) all valves in gas/vapor and light liquid service shall be monitored within 1 week using EPA Method 21 and 2) the leak percentage shall be determined by dividing the number of leaking valves detected and valves for which repair has been delayed by the number of valves in gas/vapor and light liquid service in this permit unit, and 3) a record must be kept of the percent of valves found leaking during each leak detection period. [40 CFR 60.483-1(b)(2) and (c) and 60.483-2(b)(5) and (6)], [Federally Enforceable Through Title V]
48. The number of leaks of a component type shall not exceed one component or two (2) percent of the total number of components of that type that were inspected and that are subject to the requirements of this permit, whichever is greater. For inspections conducted by District personnel to determine compliance with this requirement, the number of components inspected shall constitute a statistically representative sample (as defined in District Rule 4403, Section 3.1.11, as amended 2/16/95) for each component type. [District Rule 4403, 5.2.10], [Federally Enforceable Through Title V]
49. When any component leak is detected or identified by a Notice to Repair, it shall be repaired to a leak-free condition and reinspected no later than 15 calendar days after detection. A first attempt at repair shall be made no later than 5 calendar days after leak detection. [District Rules 2520, 9.1 and 4403, 5.3.1, 5.3.2, and 5.2.9; 40 CFR 60.482-2(c)(1) and (c)(2), 60.482-3(g), 60.6 33(b)(3), 60.482-7(d), and 60.482-8(c)], [Federally Enforceable Through Title V]

Initial TV Permit

50. If the leak repair is technologically infeasible without a process unit shutdown and the leaking component is an essential part of a critical process identified in the operator management plan (OMP), delay of repair is allowed. However the operator shall minimize the leak within 15 calendar days. If the valve leak which has been minimized still exceeds the limit in this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. If the pump leak which has been minimized still exceeds the limit in this permit and the repair requires the use of a dual mechanical seal system that includes a barrier fluid system, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than six months from the date of the original leak detection. Delay of repair is allowed for equipment which is isolated from the process and which does not remain in VOC service. [District Rule 4403, 4.2.1, 5.3.1.1 and 40 CFR 482-2(c)(1) and 482-9(a) and (b)], [Federally Enforceable Through Title V]
51. Equipment that is in vacuum service is exempt from the control and monitoring requirements and work practice standards of this permit unit, provided it is identified as such in the equipment log required by this permit. [District Rule 4403, 4.2.2; 40 CFR 60.482-1(d)], [Federally Enforceable Through Title V]
52. Each pump in light liquid service shall be monitored monthly for leak detection in accordance with EPA Method 21. Each such pump shall be monitored weekly by visual inspection for indication of liquids dripping from the pump seal. [District Rule 4403, 5.2.5 and 40 CFR 482-2(a)(1) and 482-2(b)(2)], [Federally Enforceable Through Title V]
53. Each pump in light liquid service, equipped with a dual mechanical seal system that includes a barrier fluid system, is exempt from the other leak detection monitoring requirements for this permit unit, provided requirements pursuant to 40 CFR 60.482-2(d) are met. The barrier fluid system of such exempt equipment shall be equipped with a sensor system to detect seal system failure, barrier fluid system failure, or both. Each such pump shall be checked weekly for liquid dripping from the seals. Each sensor shall be checked daily or equipped with an audible alarm. Such exempted equipment shall be documented in the OMP. [District Rule 2520, 9.4.2 and 40 CFR 60.482-2(d)], [Federally Enforceable Through Title V]
54. All compressors associated with this permit unit shall be reciprocating compressors in wet gas service only. In wet gas service means that a piece of equipment contains or contacts the field gas before the extraction step in the process. [40 CFR 60.482-3(b), 60.633(f), 60.482-3(a), and 60.632(f)], [Federally Enforceable Through Title V]
55. Each pressure relief device in gas/vapor service shall be monitored quarterly and within 1 day after each pressure release to detect leaks of 10,000 ppm or greater. [District Rule 4403, 5.2.6 and 40 CFR 60.633(b)(1) and (2)], [Federally Enforceable Through Title V]
56. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, so that the open end is sealed at all times, except during operations requiring process fluid flow through the valve or line. [District Rule 4403, 5.2.2 and 40 CFR 60.482-6(a)], [Federally Enforceable Through Title V]
57. Each open-ended valve or line equipped with a second valve shall be operated so that the valve on the process fluid end is closed before the second valve is closed. [40 CFR 60.482-6(b)], [Federally Enforceable Through Title V]
58. When a double block-and-bleed system is being used, the bleed valve or line may remain open only during operations that require venting the line between the block valves. [40 CFR 60.482-6(c)], [Federally Enforceable Through Title V]
59. Each valve in gas/vapor service or light liquid service shall be monitored monthly to detect leaks using EPA Method 21. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter. If a leak is subsequently detected, monitoring shall revert to monthly. [40 CFR 60.482-7(a), (b), and (c)], [Federally Enforceable Through Title V]
60. Any valve in gas/vapor service or light liquid service that is designated in the equipment log list and OMP as an unsafe-to-monitor valve is exempt from the monthly leak inspection requirements for this permit unit, provided: 1) the owner/operator demonstrates the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence, and 2) a written plan is adhered to that requires monitoring of the valve as frequently as practicable during safe-to-monitor times and at least annually and during shutdown. [District Rule 4403, 5.2.4; 40 CFR 60.482-7(g)], [Federally Enforceable Through Title V]
61. Any valve in gas/vapor service or light liquid service that is designated in the equipment log list and OMP as a difficult-to-monitor (inaccessible) valve is exempt from the monthly leak inspection requirements for this permit unit, provided: 1) the owner/operator demonstrates the valve cannot be monitored without elevating the monitoring personnel more than 15 feet above a support surface, or that it is over 6 feet away from a platform, 2) the process unit within which the valve is located either becomes an affected facility through 40 CFR 60.14 or 60.15 or if the owner/operator designates less than 3.0% of the total number of valves as difficult-to-monitor, and 3) a written plan is adhered to that, requires monitoring of the valve at least annually and during shutdown. [District Rule 4403, 3.1.7 and 5.2.4; 40 CFR 60.482-7(h)], [Federally Enforceable Through Title V]
62. Components that are located in inaccessible locations or in areas unsafe for personnel shall be inspected and repaired at least annually and during shutdown, and such components shall be identified in the OMP. [District Rule 4403, 5.2.4], [Federally Enforceable Through Title V]
63. Components that are located in inaccessible locations or in areas unsafe for personnel shall be inspected and repaired at least annually and during shutdown, and such components shall be identified in the operator management plan. [District Rule 4403, 5.2.4], [Federally Enforceable Through Title V]

Initial TV Permit

64. Pressure relief devices in light liquid service and flanges and other connectors shall be monitored within 5 days for leak detection in accordance with EPA Method 21, if evidence of a potential leak is found by sight, sound, smell, or any other detection method. A leak is detected if an instrument reading of 10,000 ppm or greater is measured. [40 CFR 60.482-8(a) and (b)], [Federally Enforceable Through Title V]
65. An owner or operator of more than one affected onshore natural gas processing facility subject to NSPS requirements for equipment leaks for VOC, may comply with the recordkeeping requirements for these facilities in one recordkeeping system if the system identifies each record by each facility. [40 CFR 60.486(a)(1) and (2)], [Federally Enforceable Through Title V]
66. When a leak is detected or identified by a Notice to Repair, a weatherproof and readily visible tag shall be attached, bearing the equipment identification number and date which the leak is detected. The tag on a valve may be removed after it has been monitored for 2 successive months and no leak has been detected. The tag of all other equipment may be removed after repair and re-inspection document compliance with the requirements of this permit unit. [District Rule 4403, 5.2.7 and 5.3.2; 40 CFR 60.486(b) and 60.635(b)(1)], [Federally Enforceable Through Title V]
67. Any leak detected on the basis of sight, smell, or sound shall be identified by the operator affixing a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until repair and reinspection document compliance, whether or not operator inspection is otherwise required by this permit. [District Rule 4403, 5.2.8], [Federally Enforceable Through Title V]
68. When a leak is detected, the following information shall be recorded in an inspection log: 1) instrument and operator identification numbers and the equipment identification number, 2) date the leak was detected, dates and repair method of each attempt to repair the leak, and date of successful repair 3) "above 10,000" if the maximum instrument reading after each repair attempt is equal to or greater than 10,000 ppm, 4) "repair delayed" and reason for delay and expected date of successful repair if a leak is not repaired within 15 days of detection, 5) signature of individual whose decision it was that repair could not be effected without a process shutdown, 6) dates of process unit shutdown that occur while the equipment is unrepaired. The inspection log shall be maintained for a period of five years. [District Rule 4403, 6.2.1 and 40 CFR 60.486(c) and 60.635(2)(i) through (ix)], [Federally Enforceable Through Title V]
69. Each operator shall maintain an inspection log containing, at a minimum, the following: name, location, type of components, and description of any unit where leaking components are found; date of leak detection, emission level (ppm) of leak, and method of detection; date and emission level of recheck after leak is repaired; total number of components inspected, and total number and percentage of leaking components found; Identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 4403, 6.2.1], [Federally Enforceable Through Title V]
70. A log for equipment subject to the requirements of NSPS subpart KKK shall be maintained containing the following information: 1) A list of identification numbers 2) A list of identification numbers for equipment that are designated for no detectable emissions. The designation of equipment shall be signed by the owner or operator. 3) A list of equipment identification numbers for pressure relief devices. 4) The dates of each compliance test 5) A list of identification numbers for equipment in vacuum service. [40 CFR 60.486(e)], [Federally Enforceable Through Title V]
71. A log shall be maintained containing the following information for valves in gas/vapor service and light liquid service: 1) a list of identification numbers for valves designated "unsafe-to-monitor" and for valves designated "difficult-to monitor", 2) an explanation for each valve stating why it is so designated, and 3) the schedule for monitoring each such valve. [40 CFR 60.486(f)], [Federally Enforceable Through Title V]
72. A log shall be maintained containing the following information for pumps equipped with a barrier fluid seal system which includes a seal failure sensor, for which a system failure criteria is required to be established, pursuant to the requirements for this permit unit: 1) the design criterion required by this permit and an explanation and 2) any changes to this criterion and reasons for the changes. [40 CFR 60.486(h)], [Federally Enforceable Through Title V]
73. Information and data used to demonstrate that a reciprocating compressor is in wet gas service shall be recorded in a log. [40 CFR 60.635(c)], [Federally Enforceable Through Title V]
74. A new or modified operator management plan shall be submitted to the APCO with any application for Authority to Construct for modification of this permit unit. [District Rule 4403, 6.1.2], [Federally Enforceable Through Title V]
75. An initial semiannual report containing information, pursuant to 40 CFR 60.487(b) and 60.636(b), shall be submitted to the APCO beginning 6 months after the initial startup date. [40 CFR 60.487(b) and 60.636(b)], [Federally Enforceable Through Title V]
76. Semiannual reports shall be submitted to the APCO containing the following information: 1) process unit identification, 2) for each month during the reporting period, number of valves, pumps, compressors, and pressure relief devices for which leaks were detected; number of valves, pumps, compressors, and pressure relief devices for which leaks were not repaired within 15 days and a first attempt not made within 5 days of leak detection; the facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible 3) dates of process unit shutdowns which occurred within the reporting period, and 4) revisions to items reported in the initial or subsequent semiannual report. [40 CFR 60.487(a), (c) and 60.636(c)], [Federally Enforceable Through Title V]
77. Vapor recovery systems (for example, condensers and adsorbers) shall be designed and operated to recover the VOC emissions vented to them with an efficiency of 95 percent or greater. [40 CFR 60.482-10(b)], [Federally Enforceable Through Title V]
78. Enclosed combustion devices shall be designed and operated to reduce the VOC emissions vented to them with an efficiency of 95 percent or greater, or to provide a minimum residence time of 0.75 seconds at a minimum temperature of 816 degrees Celsius. [40 CFR 60.482-10(c)], [Federally Enforceable Through Title V]

Initial TV Permit

79. If the vapor collection system or closed vent system is constructed of hard-piping, the owner or operator shall conduct an initial inspection according to the procedures specified in EPA Method 21 using the calibration gases as specified in the requirements for this permit unit. The owner or operator shall also conduct annual visual inspections for visible, audible, or olfactory indications of leaks. [40 CFR 60.482-10(f)(1) and 40 CFR 60.485(b)], [Federally Enforceable Through Title V]
80. If the vapor collection system or closed vent system is constructed of ductwork, the owner or operator shall conduct an initial inspection and annual inspections according to the procedures specified in EPA Method 21 using the calibration gases as specified in the requirements for this permit unit. The owner or operator shall also conduct annual visual inspections for visible, audible, or olfactory indications of leaks. [40 CFR 60.482-10(f)(2) and 40 CFR 60.485(b)], [Federally Enforceable Through Title V]
81. If a vapor collection system or closed vent system is operated under a vacuum, it is exempt from the inspection requirements as specified in this permit unit. [40 CFR 60.482-10(i)], [Federally Enforceable Through Title V]
82. Delay of repair of a closed vent system for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. However the operator shall minimize the leak within 15 calendar days. If the leak which has been minimized still exceeds the limit in this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but in no case later than one year from the date of the original leak detection. [District Rule 4403, 4.2.1, 5.3.1.1 and 40 CFR 60.482-10(h)], [Federally Enforceable Through Title V]
83. Any parts of the closed vent system that are designated as unsafe to inspect are exempt from the inspection requirements as specified in this permit unit if the owner or operator complies with the following: 1) the owner or operator determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with the inspection requirements; and 2) the owner or operator has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times. [40 CFR 60.482-10(j)], [Federally Enforceable Through Title V]
84. Any parts of the closed vent system that are designated as difficult to inspect are exempt from the inspection requirements as specified in this permit unit if the owner or operator complies with the following: 1) the owner or operator determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface; and 2) the process unit within which the closed vent system is located becomes an affected facility through modification or reconstruction, as defined in 40 CFR 60.14 and 60.15, or the owner or operator designates less than 3.0 percent of the total number of closed vent system equipment as difficult to inspect; and 3) the owner or operator has a written plan that requires inspection of the equipment at least every 5 years. A closed vent system is exempt from inspection if it is operated under a vacuum. [40 CFR 60.482-10(k)], [Federally Enforceable Through Title V]
85. A log shall be maintained containing the following information: 1) identification of all parts of the closed vent system that are designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for inspecting the equipment; 2) identification of all parts of the closed vent system that are designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for inspecting the equipment; 3) for each inspection conducted in accordance with EPA Method 21 during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected; and 4) for each visual inspection conducted for visible, audible, or olfactory indications of leaks during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected. [40 CFR 60.482-10(l) and 40 CFR 60.485(b)], [Federally Enforceable Through Title V]
86. Closed vent systems and control devices shall be operated at all times when emissions may be vented to them. [40 CFR 60.482-10(m)], [Federally Enforceable Through Title V]
87. Each pressure relief valve without rupture disc shall be set at adequately high value (a minimum of 110% of or 25 psig above the maximum operating pressure, whichever is lower) to contain vapors inside vessel in normal operation. [District Rule 2080]
88. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the requirements for this facility that are based solely on 40 CFR part 63 subpart HH shall not apply during period of startup, shutdown, malfunction, or periods of nonoperation resulting in cessation of emissions. However, all emission points that can comply during these periods must do so. [40 CFR 63.762(a)], [Federally Enforceable Through Title V]
89. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the owner/operator shall not shut down equipment required for compliance with 40 CFR 63 subpart HH if the shutdown would contravene requirements based on subpart HH; unless: 1) the equipment is malfunctioning; or 2) the equipment must be shut down to avoid damage due to a startup, shutdown or malfunction of associated equipment. [40 CFR 63.762(b)], [Federally Enforceable Through Title V]
90. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, during startups, shutdowns, and malfunctions when the requirements of 40 CFR 63 subpart HH do not apply pursuant to provision of this permit, the owner/operator shall implement measures to prevent or minimize emissions to the maximum extent practical as described in 40 CFR 63.762 (c). [40 CFR 63.762(c), 40 CFR 63.6(e)(1)(ii), and 40 CFR 63.6(e)(3)(B)], [Federally Enforceable Through Title V]
91. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, malfunctions shall be corrected as soon as practicable in order to minimize emissions of hazardous air pollutants. [40 CFR 63.762(c) and 40 CFR 63.6(e)(1)(ii) and (e)(3)(B)], [Federally Enforceable Through Title V]

Initial TV Permit

92. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the owner/operator shall prepare and follow a startup, shutdown, and malfunction plan as described in 40 CFR 63.762(d). [40 CFR 63.762(d) and 40 CFR 63.6(e)(3)(i-vii)], [Federally Enforceable Through Title V]
93. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the owner/operator shall maintain all records required by 40 CFR 63.774. Records shall be maintained for a period of 5 years following the date of each occurrence, measurement, maintenance corrective action, report or period. All applicable records shall be maintained in hard copy or computer readable form in a manner such that they can be readily accessed. The most recent 12 months of records shall be maintained on site or shall be accessible from a central location by computer or other means that provides for access within 2 hours. The remaining 4 years of records may be retained offsite. [40 CFR 63.774], [Federally Enforceable Through Title V]
94. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the owner/operator shall submit all required reports in accordance with 40 CFR 63.775, including but not limited to Initial Notifications - 63.775(b)(1) & 63.9(b)(1), Notification of Compliance Status - 63.775(d), and Periodic Reports - 63.775(c) and 63.10(e)(3)(v-viii). Reports shall be submitted to the administrator as required in 40 CFR 63.13. [40 CFR 63.775], [Federally Enforceable Through Title V]
95. On October 6, 2000, the initial Title V permit was issued. The reporting period of the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days of the end of the reporting period. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-1-5

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1.5 MMBTU/HR GAS PROCESSING OPERATION INCLUDING THE FOLLOWING SECTIONS: LIQUID RECOVERY AND DE-ETHANIZER, DEPROPANIZER, HOT OIL, TRIETHYLENE GLYCOL/ETHYLENE GLYCOL REGENERATION & METHANOL INJECTION, LUBE OIL, FUEL GAS SYSTEMS, AND UTILITY STORAGE

PERMIT UNIT REQUIREMENTS

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1. Liquid recovery section shall include inlet(V-1) and three-phase(V-2) separators, 2 condensate vessels, De-C2 column(T-1) and reflux accumulator(V-3). [District NSR Rule], [Federally Enforceable Through Title V]
 2. Depropanizer section shall include De-C3 feed tank(V-11), reflux drum(V-12) and column(T-2), 2 propane dryers(V-13A/B), gas-liquid separator(V-14) and off spec tank(V-22). [District NSR Rule], [Federally Enforceable Through Title V]
 3. Hot oil section shall include hot oil surge tank(V-21) and Precompression and refrigeration engine exhaust gas recovery systems. [District NSR Rule], [Federally Enforceable Through Title V]
 4. Triethylene glycol regeneration section shall include carry-over scrubber(V-16), flash drum(V-17), TEG surge tank(V-18), separator(V-19), tower(T-3) and fuel gas blower(AB-1). [District NSR Rule], [Federally Enforceable Through Title V]
 5. Utility storage section shall include two 1050 gal. EG tanks(TK-104,TK-105), 10500 gal. TEG tank(TK-101), 10500 gal. lube oil tank(TK-102), 10500 gal. TEG tank(TK-103), 10500 gal. amine tank(TK-290) and 10500 gal. recycled/slop tank(TK-100). [District NSR Rule], [Federally Enforceable Through Title V]
 6. Operation shall include EG flash tank(V-20), methanol tank(TK-108), and miscellaneous pumps, piping, exchangers, vessels and filters. [District NSR Rule], [Federally Enforceable Through Title V]
 7. There shall be no venting from any vessel except during breakdown conditions as defined in District Rule 1100, Section 3.1. [District NSR Rule], [Federally Enforceable Through Title V]
 8. All rupture disc failures shall be reported as breakdowns pursuant to Rule 1100. [District NSR Rule], [Federally Enforceable Through Title V]
 9. Volatile organic compound vapors in condensate recovery vessels shall be discharged only to gas plant 45 psig intake pipeline. [District NSR Rule], [Federally Enforceable Through Title V]
 10. Volatile organic compound liquids in condensate recovery vessels shall only be piped to off spec tank(V-22) for reprocessing. [District NSR Rule], [Federally Enforceable Through Title V]
 11. Relief discharge from process vessels shall be directed to flare header or closed liquid drain header. [District NSR Rule], [Federally Enforceable Through Title V]
 12. Wastewater produced from this operation shall be piped to tank S-43-10. [District NSR Rule], [Federally Enforceable Through Title V]
 13. Inlet separator(V-1) volatile organic compound liquids shall be piped to condensate recovery vessels or tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
 14. Filter vessels (F-10/11) liquids shall be piped to condensate recovery vessels or tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
 15. When replacing filter elements, filter vessels(F-10/11) shall be depressured into the line going to the high pressure condensate recovery vessels. [District NSR Rule], [Federally Enforceable Through Title V]
 16. When replacing filter elements, filter vessels(F-10/11) shall not be vented to the atmosphere until the vessels internal pressure falls to 5 psig or less. [District NSR Rule], [Federally Enforceable Through Title V]
 17. Sales gas pipeline pressure control valve(PV-132) shall be operated to prevent flaring of gas except during breakdown conditions as defined in District Rule 1100, Section 3.1. [District NSR Rule], [Federally Enforceable Through Title V]
 18. Standby pumps shall not be in operation when primary pumps are in operation. [District NSR Rule], [Federally Enforceable Through Title V]
 19. The maximum emission rate of fugitive volatile organic compounds (VOC's) from permit units S-43-1 through S-43-3 and S-43-10 through S-43-12 shall not exceed 7.38 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]

Initial TV Permit

20. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from glycol dehydrator process vent control requirements based on natural gas flow rate of less than 85,000 scm/day, the actual annual average natural gas flow rate to the glycol dehydrator shall not exceed 85,000 standard cubic meters per day. [40 CFR 63.764(e)(i)], [Federally Enforceable Through Title V]
21. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from glycol dehydrator process vent control requirements based on natural gas flow rate of less than 85,000 scm/day, the owner/operator shall install and operate a monitoring instrument that directly measures natural gas flowrate to the glycol dehydration unit with an accuracy of +/- 2% or better. The owner/operator shall convert the annual natural gas flowrate to a daily average by dividing the annual flowrate by the days of operation. [40 CFR 63.772(b)(1)], [Federally Enforceable Through Title V]
22. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from glycol dehydrator process vent control requirements based on natural gas flow rate of less than 85,000 scm/day, the owner/operator shall maintain the records of actual annual average throughput (in terms of natural gas flowrate to the glycol dehydration unit per day) as required by 40 CFR 63.774(b)(1). [40 CFR 63.774(d)(1)(i)]
23. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from glycol dehydrator process vent control requirements based on uncontrolled annual average benzene emissions of 0.9 megagrams or less per year, the owner/operator shall calculate the actual average benzene using procedures in 40 CFR 63.772(b)(2)(i) or 40 CFR 63.772(b)(2)(ii). [40 CFR 63.772(b)(2)]
24. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from glycol dehydrator process vent control requirements based on uncontrolled average benzene emissions of 0.9 megagrams or less per year, the owner/operator shall maintain the records of actual average benzene emissions (in terms of benzene emission per year) as determined in accordance with 40 CFR 63.772(b)(2). [40 CFR 63.774(d)(1)(ii)]
25. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the actual annual average hydrocarbon liquid throughput to the storage vessel shall be less than 500 barrels per day. [40 CFR 63.766(a)], [Federally Enforceable Through Title V]
26. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the owner/operator shall install and operate a monitoring instrument that directly measures hydrocarbon liquid flowrate to the storage vessel with an accuracy of +/- 2% or better. The owner/operator shall convert the annual hydrocarbon liquid flowrate to a daily average by dividing the annual flowrate by the days of operation. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
27. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the owner/operator shall maintain the records of actual annual average throughput (in terms of hydrocarbon liquid flowrate to the storage vessel per day) as required by 40 CFR 63.774(b)(1). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
28. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on API gravity being less than 40 degrees or GOR being less than 1,750 scf/bbl, the API gravity of liquid being stored in tank shall be less than 40 degrees or GOR shall be less than 1,750 scf/bbl. [40 CFR 63.766(a)], [Federally Enforceable Through Title V]
29. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on API gravity being less than 40 degrees or GOR being less than 1,750 scf/bbl, the owner/operator shall maintain records of API gravity and GOR. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
30. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, each storage vessel shall be designed and operated as a closed system at all times with no detectable emissions, except for safety devices as defined in 40 CFR 63.761. [40 CFR 63.766(b)(2)], [Federally Enforceable Through Title V]
31. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the storage vessel cover and all openings on the cover shall be designed to form a continuous barrier over the entire surface area of the liquid in the tank. [40 CFR 63.771(b)(1)], [Federally Enforceable Through Title V]
32. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, each storage vessel opening shall be secured in a closed sealed position whenever material is in the unit on which the cover is installed except: 1) when necessary to add or remove material; 2) when necessary to equalize pressure after adding or removing material; 3) during inspection; 4) during sampling; 5) during maintenance or repair of internal components; and 6) during venting through a closed vent system to a control device meeting the requirements of 40 CFR 63.771(c) and (d). [40 CFR 63.771(b)(2)], [Federally Enforceable Through Title V]
33. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, owner or operator shall visually inspect each storage vessel cover for defects that could result in air emissions. This shall be done following initial installation of the cover and at least once every calendar year thereafter, with the exceptions as specified 40 CFR 63.773(c)(5) and (6). [40 CFR 63.773(c)(A) and (B)], [Federally Enforceable Through Title V]

Initial TV Permit

34. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the closed vent system shall route all gases, vapors, and fumes emitted from the material in a HAP emissions units to a control device that meets the requirements specified in 40 CFR 63.771(d). [40 CFR 63.771(c)], [Federally Enforceable Through Title V]
35. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the closed vent system shall be designed and operated with no detectable emissions. The system may include one or more safety devices, as defined in 40 CFR 63.761. Safety devices must be sealed, except when necessary to prevent physical damage to the unit or equipment during unplanned events. [40 CFR 63.771 (c)(2), 63.765(b)(2), and 63.766(b)(2)], [Federally Enforceable Through Title V]
36. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, all bypass devices (except leg drains, high point bleeds, open-ended lines or valves, and safety devices) that could be used to divert emissions from entering the glycol dehydrator process vent emissions control device shall meet the requirements of 40 CFR 63.771(c)(3)(i)A and B. [40 CFR 63.771 (c)(3)], [Federally Enforceable Through Title V]
37. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the no detectable emissions (defined as less than 500 ppmv) test procedure shall be conducted in accordance with 40 CFR 63.772(c), 40 CFR 63.765(b)(2), and 40 CFR 63.766(b)(2). [40 CFR 63.772(c), 40 CFR 63.765(b)(2), and 40 CFR 63.766(b)(2)], [Federally Enforceable Through Title V]
38. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct an initial monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that the closed vent system operates with no detectable emissions. [40 CFR 63.773 (c)(2)(i)(A)], [Federally Enforceable Through Title V]
39. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct an annual visual inspection for defects that could result in air emissions. [40 CFR 63.773 (c)(2)(i)(B)], [Federally Enforceable Through Title V]
40. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct a monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that each repaired, replaced or unsealed component operates with no detectable emissions. [40 CFR 63.773 (c)(2)(i)(B)], [Federally Enforceable Through Title V]
41. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an initial monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that the closed vent system operates with no detectable emissions. [40 CFR 63.773 (c)(2)(ii)(A)], [Federally Enforceable Through Title V]
42. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an annual monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that each component operates with no detectable emissions. [40 CFR 63.773 (c)(2)(ii)(B)], [Federally Enforceable Through Title V]
43. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an annual visual inspection for defects that could result in air emissions. [40 CFR 63.773 (c)(2)(ii)(C)], [Federally Enforceable Through Title V]
44. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, closed vent system components or cover components designated as unsafe to inspect because inspecting personnel would be exposed to imminent or potential danger are exempt from monitoring requirements provided the owner/operator prepares and follows a written plan that requires inspection as frequently as practicable during safe-to-inspect times. [40 CFR 63.773 (c)(5)], [Federally Enforceable Through Title V]
45. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, closed vent system components or cover components designated as difficult to inspect because inspection cannot be conducted without elevating the inspector more than 78 inches above a support surface are exempt from monitoring requirements provided the owner/operator prepares and follows a written plan that requires inspection at least once every five years. [40 CFR 63.773 (c)(6)], [Federally Enforceable Through Title V]
46. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, in the event a leak is detected during monitoring of a closed vent system or cover, the leak shall be repaired as soon as practicable. If a leak is detected, it is a violation of this permit to fail to take action to repair the leak within the specified time. If action is taken to repair the leak, failure of the action to repair the leak successfully is not a violation. However, further action must be taken as required by the provisions of this permit. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. Delay of repair is allowed if the repair is technically infeasible without a shutdown, or if the owner/operator determines that the repair would result in greater fugitive emissions than would result from the delay. Delayed repairs shall be conducted by the end of the next shutdown. [40 CFR 63.773 (c)(4)], [Federally Enforceable Through Title V]
47. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, each process vent on the glycol dehydration unit shall be connected through a closed vent system that meets the conditions specified in 40 CFR 63.771(c) to an air emission control system that meets the conditions specified in 40 CFR 63.771(d). [40 CFR 63.765(b)(1)(i)], [Federally Enforceable Through Title V]

Initial TV Permit

48. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, owners or operators shall demonstrate that control devices achieve the performance requirements of 63.771(d)(1) or 63.771(e)(3)(ii) using either a performance test as specified in 63.772(e)(3) or a design analysis as specified in 63.772(e)(4). The owner or operator may elect to use the alternative procedures in 63.772(e)(5) for performance testing of a condenser used to control emissions from a glycol dehydration unit process vent. [40 CFR 63.772(e)], [Federally Enforceable Through Title V]
49. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for each control device, the owner or operator shall install and operate a continuous parameter monitoring system in accordance with the requirements of 40 CFR 63.773(d). The continuous monitoring system shall be designed and operated so that a determination can be made on whether the control device is achieving the applicable performance requirements of 40 CFR 63.771(d) or 40 CFR 63.771(e)(3). Each continuous parameter monitoring system shall meet the following specifications and requirements as specified in 40 CFR 63.773(d). [40 CFR 63.773(d)], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-2-3

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

40 HP NATURAL GASOLINE AND PROPANE TRUCK LOADING OPERATION INCLUDING 2 TRUCK LOADING RACKS, 2 BOTTOM LOADING LINES FOR PROPANE TANKS (V-24-A/B/C) AND 2 BOTTOM LOADING LINES FOR NATURAL GASOLINE TANKS (V-25-A/B/C/D) AND 4 LOADING PUMPS

PERMIT UNIT REQUIREMENTS

1. Operation shall be equipped with shared vapor recovery (liquid recycle system) on liquid loadout lines. [District NSR Rule, District Rule 4624, 5.4], [Federally Enforceable Through Title V]
2. Total storage capacity shall be less than 500,000 gallons. [District NSR Rule], [Federally Enforceable Through Title V]
3. Loading connectors shall establish a gas-tight seal with delivery vessels prior to commencing loading. [District NSR Rule, District Rule 4624], [Federally Enforceable Through Title V]
4. Liquid drippage/spillage at hose disconnection shall not exceed 0.17 lb/truck load. [District NSR Rule], [Federally Enforceable Through Title V]
5. Vapor return lines shall be connected and open to the storage tank from which the product is being withdrawn. [District NSR Rule], [Federally Enforceable Through Title V]
6. All rupture disc failures shall be reported as breakdowns as defined in District Rule 1100, Section 3.1. [District NSR Rule], [Federally Enforceable Through Title V]
7. Liquid recycle system shall vent only to the shared vapor recovery system (Permit #S-43-3) during operation of the liquid recycle system. [District NSR Rule], [Federally Enforceable Through Title V]
8. The maximum emission rate of fugitive volatile organic compounds (VOC's) from permit units S-43-1 through S-43-3 and S-43-10 through S-43-12 shall not exceed 7.38 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Records of inspections, repairs and maintenance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 4624], [Federally Enforceable Through Title V]
10. Each LPG tank shall be equipped with two PRV's equipped with rupture discs and pressure gauges in between. [District NSR Rule, District Rule 4624, 5.4], [Federally Enforceable Through Title V]
11. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid loaded. [District Rule 4624, 5.1.1 and Kern County Rule 413], [Federally Enforceable Through Title V]
12. Vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624, 5.2], [Federally Enforceable Through Title V]
13. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 lb/1000 gallons loaded; or Class 2 loading facilities equipped with a system to control at least 95% of VOC displaced; and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624, 5.3], [Federally Enforceable Through Title V]
14. Construction, reconstruction (as defined in District Rule 4001, amended January 19, 1995), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5], [Federally Enforceable Through Title V]
15. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and Kern County Rule 413], [Federally Enforceable Through Title V]

Initial TV Permit

16. During the loading of organic liquids, the operator shall perform and record the results of monthly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound, smell and instrument methods to detect leaks. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) Zero air (less than 10 ppm of hydrocarbon in air); and B) Mixture of methane and air at a concentration of about, but less than, 10,000 ppm methane. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. Drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
19. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
21. All records necessary to determine compliance with the VOC emission limit for this unit shall be maintained for a period of at least 5 years and shall include component counts and recognized emission factors for fugitive emission sources. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
22. Analysis of halogenated exempt compounds shall be by ARB Method 432. [District Rule 4624, 6.2.1], [Federally Enforceable Through Title V]
23. The loading rack's vapor collection and control system (VCCS) shall be tested annually to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of + or - 2.5 mm water gauge, on the terminal's VCCS at a pressure tap as close as possible to the connection with the product tank truck. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. Every loading position must be tested at least once during the annual performance test. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. Loading of a delivery vessel shall discontinue if its pressure relief valve opens. Corrective action shall be taken should this condition occur. [District Rule 2520, 9.1], [Federally Enforceable Through Title V]
25. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rule 413 (Kern County) and District Rule 4624. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-3-6

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

ONE SMOKELESS 60 MMSCFD INDAIR FLARE MODEL 1-33-HL-FS, WITH 25-HP, 3500 SCFM AIR-ASSIST BLOWER, AND ONE LOW PRESSURE VAPOR RECOVERY SYSTEM WITH TWO 10-HP COMPRESSORS

PERMIT UNIT REQUIREMENTS

1. Flare pilot gas and tip injection gas shall be of PUC natural gas grade. [District NSR Rule], [Federally Enforceable Through Title V]
2. Pilot fuel gas flowrate shall not exceed 5,000 scf/day. [District NSR Rule], [Federally Enforceable Through Title V]
3. Purge gas flowrate shall not exceed 3,000 scf/day. [District NSR Rule], [Federally Enforceable Through Title V]
4. Flared gas flowrate to flare shall not exceed 38,000 scf/day except during breakdown conditions as defined in District Rule 1100, Section 3.1. [District NSR Rule], [Federally Enforceable Through Title V]
5. Gas lines to flare shall be equipped with volumetric flowrate indicators. [District NSR Rule], [Federally Enforceable Through Title V]
6. Daily records of gas flowrates to the flare shall be maintained in order to demonstrate compliance with permitted flowrates. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Sulfur content of gas incinerated, including flare pilot gas, flare tip injection gas, and waste gas, shall not exceed 0.3 gr H₂S/100 scf. [District NSR Rule], [Federally Enforceable Through Title V]
8. To show compliance with sulfur emission limits, the gas being flared shall be tested monthly for sulfur content and higher heating value. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. Flare shall operate with visible emissions of 1/4 Ringelmann or less at all times. [District NSR Rule], [Federally Enforceable Through Title V]
10. Liquids collected in knockout drum shall be disposed of in a manner preventing VOC emissions to the atmosphere. [District NSR Rule], [Federally Enforceable Through Title V]
11. Vapor compressor seals shall be enclosed and vented to vapor recovery system. [District NSR Rule], [Federally Enforceable Through Title V]
12. Vapors collected by vapor recovery system shall be vented to gas plant pre-compression inlet separator. [District NSR Rule], [Federally Enforceable Through Title V]
13. Fugitive VOC emissions of entire stationary source shall not exceed 177.1 lb/day without prior District approval. [District NSR Rule], [Federally Enforceable Through Title V]
14. Updated listing of fugitive component counts shall be submitted to the District 60 days prior to permit renewal. [District NSR Rule], [Federally Enforceable Through Title V]
15. The sulfur content of the gas being flared shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. The fuel higher heating value for the gases being flared shall be certified by third party fuel supplier or determined by ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. Flare shall be designed for and operated with no visible emissions, except for periods not to exceed a total of 5 minutes during any 2 consecutive hours. [40 CFR 60.18(c)(1) AND 40CFR 63.11(b)(4)], [Federally Enforceable Through Title V]
18. Demonstration of compliance with the visible emissions limit of this permit shall be conducted at least annually, using EPA Method 22. The observation period shall be 2 hours. [40 CFR 60.18(f)(1)], [Federally Enforceable Through Title V]
19. A trained observer, as defined in EPA Method 22, shall check visible emissions at least once a year for a period of 15 minutes. If visible emissions are detected at any time during this period, the observation period shall be extended to two hours. A record containing the results of these observations shall be maintained, which also includes company name, process unit, observer's name and affiliation, date, estimated wind speed and direction, sky condition, and the observer's location relative to the source and sun. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. The operator shall maintain all records of required monitoring data and support information for District inspection at any time. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]

Initial TV Permit

21. The flare shall be operated according to the manufacturer's specifications, a copy of which shall be maintained on site. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
22. Flare shall only be used with the net heating value of the gas being combusted being 300 Btu/scf or greater. [40 CFR 60.18 (c)(3) AND 40 CFR 63.11(b)(6)(ii)], [Federally Enforceable Through Title V]
23. The net heating value of the gas being combusted in a flare shall be determined annually, pursuant to 40 CFR 60.18(f)(3) and 40 CFR 63.11(b)(6)(ii) and using EPA Method 18, ASTM D1946-77, and ASTM D2382-76. [40 CFR 60.18 (f)(3) and 40 CFR 63.11(b)(6)(ii)], [Federally Enforceable Through Title V]
24. Air-assisted flares shall be operated with an exit velocity less than V_{max} , as determined by the equation specified in paragraph 40 CFR 60.18 (f)(6) and 40 CFR 63.11(b)(8). [40 CFR 60.18 (c)(5) and 40 CFR 63.11(b)(8)], [Federally Enforceable Through Title V]
25. The actual exit velocity of a flare shall be determined by dividing the volumetric flowrate (in units of standard temperature and pressure), as determined by Reference Methods 2, 2A, 2C, or 2D as appropriate; by the unobstructed (free) cross sectional area of the flare tip. [40 CFR 60.18 (f)(4) and 40 CFR 63.11(7)(i)], [Federally Enforceable Through Title V]
26. Flare shall be operated with a flame present at all times, and kept in operation when emissions may be vented to them. The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame. [40 CFR 60.18 (c)(2), 60.18 (e), 60.18 (f)(2), 63.11(b)(5)], [Federally Enforceable Through Title V]
27. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for each control device, the owner or operator shall install and operate a continuous parameter monitoring system in accordance with the requirements of 40 CFR 63.773(d). The continuous monitoring system shall be designed and operated so that a determination can be made on whether the control device is achieving the applicable performance requirements of 40 CFR 63.771(d) or 40 CFR 63.771(e)(3). Each continuous parameter monitoring system shall meet the following specifications and requirements as specified in 40 CFR 63.773(d). [40 CFR 63.773(d)], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-4-7

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1,100 BHP PRECOMPRESSION OPERATION #1 INCLUDING SUPERIOR NATURAL GAS FIRED IC ENGINE AND SHARING WITH PERMITS S-43-5 AND '6 INLET SEPARATORS (V28/V29), COMPRESSOR (C-2C), AIR COOLER (AC-6A), SCRUBBER (V-30A) AND MISCELLANEOUS VALVES AND FLANGES

PERMIT UNIT REQUIREMENTS

1. Operation shall include lube oil head tank (V-26) and I.C. engine fuel scrubber (V-4) shared between permit unit #'s S-43-4, '-5, '-6, '-7, '-8, and '-9. [District NSR Rule], [Federally Enforceable Through Title V]
2. Compressor distance piece shall be vented to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas sulfur content shall not exceed 0.3 gr/dscf as H₂S. [District NSR Rule], [Federally Enforceable Through Title V]
4. Condensate from compressor scrubbers and inlet separators shall be piped to low-pressure condensate vessel of permit S-43-1 or to tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
5. Records of inspections, repairs and maintainance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0], [Federally Enforceable Through Title V]
7. PM-10 emission rate shall not exceed 0.10 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
8. SO₂ emission rate shall not exceed 0.01 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Oxides of nitrogen (as NO₂) emission rate shall not exceed 2.67 lb/hr and 1.10 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
10. Volatile organic compounds (VOC's) emission rate shall not exceed 3.63 lb/hr and 1.50 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
11. Carbon monoxide (CO) emission rate shall not exceed 9.69 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
12. District-witnessed source testing for NO_x and CO emission rates shall be conducted using CARB Method 100, and District-witnessed source testing for VOC emission rates shall be conducted using EPA Method 25 or EPA Method 18, referenced as methane, not less than once every 24 months. [District NSR Rule], [Federally Enforceable Through Title V]
13. Documentation of fuel gas sulfur content shall be submitted to District with source test results. [District NSR Rule], [Federally Enforceable Through Title V]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

19. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Permittee shall record the results of portable analyzer measurements of exhaust NO_x and CO concentrations as ppmvd corrected to 15% of oxygen. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Permittee shall monitor the nitrogen oxides (NO_x) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer on a monthly basis. If results of the monthly measurements with the portable analyzer show compliance with the emission limits for (6) consecutive months, monitoring frequency can be decreased to a quarterly basis. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than once every month. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with Protocol 1 gases. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If the NO_x or CO concentrations, as measured by the portable analyzer, exceed the allowable emission rates, the permittee shall notify the District and take corrective action within on (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emission rates, the permittee shall conduct applicable emission limits. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-5-7

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1,100 BHP PRECOMPRESSION OPERATION #2 INCLUDING SUPERIOR NATURAL GAS FIRED IC ENGINE AND SHARING WITH PERMITS S-43-4 AND '6 INLET SEPARATORS (V28/V29), COMPRESSOR (C-2B), AIR COOLER (AC-6A), SCRUBBER (V-30A) AND MISCELLANEOUS VALVES AND FLANGES

PERMIT UNIT REQUIREMENTS

1. Operation shall include lube oil head tank (V-26) and I.C. engine fuel scrubber (V-4) shared between permit unit #'s S-43-4, '-5, '-6, '-7, '-8, and '-9. [District NSR Rule], [Federally Enforceable Through Title V]
2. Compressor distance piece shall be vented to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas sulfur content shall not exceed 0.3 gr/dscf as H₂S. [District NSR Rule], [Federally Enforceable Through Title V]
4. Condensate from compressor scrubbers and inlet separators shall be piped to low-pressure condensate vessel of permit S-43-1 or to tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
5. Records of inspections, repairs and maintainance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0], [Federally Enforceable Through Title V]
7. PM-10 emission rate shall not exceed 0.10 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
8. SO₂ emission rate shall not exceed 0.01 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Oxides of nitrogen (as NO₂) emisson rate shall not exceed 2.67 lb/hr and 1.10 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
10. Volatile organic compounds (VOC's) emission rate shall not exceed 3.63 lb/hr and 1.50 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
11. Carbon monoxide (CO) emission rate shall not exceed 9.69 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
12. NO_x and CO emission rates shall be determined by District-witnessed source testing using CARB Method 100 and VOC emission rate shall be determined by District-witnessed source testing using EPA Method 25 or EPA Method 18, referenced as methane, not less than once every 24 months. [District NSR Rule], [Federally Enforceable Through Title V]
13. Documentation of fuel gas sulfur content shall be submitted to District with source test results. [District NSR Rule], [Federally Enforceable Through Title V]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

19. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Permittee shall record the results of portable analyzer measurements of exhaust NO_x and CO concentrations as ppmvd corrected to 15% of oxygen. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Permittee shall monitor the nitrogen oxides (NO_x) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer on a monthly basis. If results of the monthly measurements with the portable analyzer show compliance with the emission limits for (6) consecutive months, monitoring frequency can be decreased to a quarterly basis. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than once every month. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with Protocol 1 gases. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If the NO_x or CO concentrations, as measured by the portable analyzer, exceed the allowable emission rates, the permittee shall notify the District and take corrective action within on (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emission rates, the permittee shall conduct applicable emission limits. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-6-7

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1,100 BHP PRECOMPRESSION OPERATION #3 INCLUDING SUPERIOR NATURAL GAS IC ENGINE AND SHARING WITH PERMIT UNIT S-43-4 AND '-5 INLET SCRUBBERS (V28/V29), COMPRESSOR (C-2A), AIR COOLER (AC-6A), SCRUBBER (V-30A) AND MISCELLANEOUS VALVES AND FLANGES

PERMIT UNIT REQUIREMENTS

1. Operation shall include lube oil head tank (V-26) and I.C. engine fuel scrubber (V-4) shared between permit unit #'s S-43-4, '-5, '-6, '-7, '-8, and '-9. [District NSR Rule], [Federally Enforceable Through Title V]
2. Compressor distance piece shall be vented to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas sulfur content shall not exceed 0.3 gr/dscf as H₂S. [District NSR Rule], [Federally Enforceable Through Title V]
4. Condensate from compressor scrubbers and inlet separators shall be piped to low-pressure condensate vessel of permit S-43-1 or to tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
5. Records of inspections, repairs and maintainance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0], [Federally Enforceable Through Title V]
7. PM-10 emission rate shall not exceed 0.10 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
8. SO₂ emission rate shall not exceed 0.01 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Oxides of nitrogen (as NO₂) emission rate shall not exceed 2.67 lb/hr and 1.10 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
10. Volatile organic compounds (VOC's) emission rate shall not exceed 3.63 lb/hr and 1.50 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
11. Carbon monoxide (CO) emission rate shall not exceed 9.69 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
12. NO_x and CO emission rates shall be determined by District-witnessed source testing using CARB Method 100 and VOC emission rate shall be determined by District-witnessed source testing using EPA Method 25 or EPA Method 18, referenced as methane, not less than once every 24 months. [District NSR Rule], [Federally Enforceable Through Title V]
13. Documentation of fuel gas sulfur content shall be submitted to District with source test results. [District NSR Rule], [Federally Enforceable Through Title V]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

19. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Permittee shall record the results of portable analyzer measurements of exhaust NO_x and CO concentrations as ppmvd corrected to 15% of oxygen. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Permittee shall monitor the nitrogen oxides (NO_x) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer on a monthly basis. If results of the monthly measurements with the portable analyzer show compliance with the emission limits for (6) consecutive months, monitoring frequency can be decreased to a quarterly basis. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than once every month. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with Protocol 1 gases. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If the NO_x or CO concentrations, as measured by the portable analyzer, exceed the allowable emission rates, the permittee shall notify the District and take corrective action within on (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emission rates, the permittee shall conduct applicable emission limits. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-7-7

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

825 BHP REFRIGERATION COMPRESSION UNIT #4 INCLUDING NATURAL GAS IC ENGINE AND SHARED W/ PERMIT UNITS S-43-8 & '9 SUCTION SCRUBBER (V-6), ECONOMIZER (V-7), SURGE TANK (V-9), COMPRESSOR (C-1C), OIL TRAP (V-10) & CONDENSERS (AC-1A, AC-1B, AC-1C).

PERMIT UNIT REQUIREMENTS

1. Operation shall include lube oil head tank (V-26) and I.C. engine fuel scrubber (V-4) shared between permit unit #'s S-43-4, '-5, '-6, '-7, '-8, and '-9. [District NSR Rule], [Federally Enforceable Through Title V]
2. Compressor distance piece shall be vented to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas sulfur content shall not exceed 0.3 gr/dscf as H₂S. [District NSR Rule], [Federally Enforceable Through Title V]
4. Condensate from compressor scrubbers and inlet separators shall be piped to low-pressure condensate vessel of permit S-43-1 or to tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
5. Records of inspections, repairs and maintainance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0], [Federally Enforceable Through Title V]
7. PM-10 emission rate shall not exceed 0.10 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
8. SO₂ emission rate shall not exceed 0.01 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Oxides of nitrogen (as NO₂) emisson rate shall not exceed 2.67 lb/hr and 1.10 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
10. Volatile organic compounds (VOC's) emission rate shall not exceed 3.63 lb/hr and 1.50 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
11. Carbon monoxide (CO) emission rate shall not exceed 9.69 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
12. NO_x and CO emission rates shall be determined by District-witnessed source testing using CARB Method 100 and VOC emission rate shall be determined by District-witnessed source testing using EPA Method 25 or EPA Method 18, referenced as methane, not less than once every 24 months. [District NSR Rule], [Federally Enforceable Through Title V]
13. Documentation of fuel gas sulfur content shall be submitted to District with source test results. [District NSR Rule], [Federally Enforceable Through Title V]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
16. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2]
19. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]

Initial TV Permit

20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
22. Permittee shall record the results of portable analyzer measurements of exhaust NOx and CO concentrations as ppmvd corrected to 15% of oxygen. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Permittee shall monitor the nitrogen oxides (NOx) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer on a monthly basis. If results of the monthly measurements with the portable analyzer show compliance with the emission limits for (6) consecutive months, monitoring frequency can be decreased to a quarterly basis. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than once every month. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with Protocol 1 gases. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If the NOx or CO concentrations, as measured by the portable analyzer, exceed the allowable emission rates, the permittee shall notify the District and take corrective action within on (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emission rates, the permittee shall conduct applicable emission limits. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-8-7

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

825 BHP REFRIGERATION COMPRESSION UNIT #5 INCLUDING NATURAL GAS IC ENGINE AND SHARED W/ PERMIT UNITS S-43-7 AND '9 SUCTION SCRUBBER (V-6), ECONOMIZER (V-7), SURGE TANK (V-9), COMPRESSOR (C-1B), OIL TRAP (V-10) & CONDENSERS (AC-1A, AC-1B, AC-1C).

PERMIT UNIT REQUIREMENTS

1. Operation shall include lube oil head tank (V-26) and I.C. engine fuel scrubber (V-4) shared between permit unit #'s S-43-4, '-5, '-6, '-7, '-8, and '-9. [District NSR Rule], [Federally Enforceable Through Title V]
2. Compressor distance piece shall be vented to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas sulfur content shall not exceed 0.3 gr/dscf as H₂S. [District NSR Rule], [Federally Enforceable Through Title V]
4. Condensate from compressor scrubbers and inlet separators shall be piped to low-pressure condensate vessel of permit S-43-1 or to tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
5. Records of inspections, repairs and maintainance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0], [Federally Enforceable Through Title V]
7. PM-10 emission rate shall not exceed 0.10 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
8. SO₂ emission rate shall not exceed 0.01 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Oxides of nitrogen (as NO₂) emission rate shall not exceed 2.67 lb/hr and 1.10 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
10. Volatile organic compounds (VOC's) emission rate shall not exceed 3.63 lb/hr and 1.50 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
11. Carbon monoxide (CO) emission rate shall not exceed 9.69 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
12. NO_x and CO emission rates shall be determined by District-witnessed source testing using CARB Method 100 and VOC emission rate shall be determined by District-witnessed source testing using EPA Method 25 or EPA Method 18, referenced as methane, not less than once every 24 months. [District NSR Rule], [Federally Enforceable Through Title V]
13. Documentation of fuel gas sulfur content shall be submitted to District with source test results. [District NSR Rule], [Federally Enforceable Through Title V]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
16. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072-80, D 3031-81, D 4084-82 or D 3246-81. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

19. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
22. Permittee shall record the results of portable analyzer measurements of exhaust NO_x and CO concentrations as ppmvd corrected to 15% of oxygen. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Permittee shall monitor the nitrogen oxides (NO_x) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer on a monthly basis. If results of the monthly measurements with the portable analyzer show compliance with the emission limits for (6) consecutive months, monitoring frequency can be decreased to a quarterly basis. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than once every month. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with Protocol 1 gases. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If the NO_x or CO concentrations, as measured by the portable analyzer, exceed the allowable emission rates, the permittee shall notify the District and take corrective action within on (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emission rates, the permittee shall conduct applicable emission limits. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-9-7

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

825 BHP REFRIGERATION COMPRESSION UNIT #6 INCLUDING NATURAL GAS IC ENGINE AND SHARED WITH PERMIT UNITS S-43-7 AND '8 SUCTION SCRUBBER (V-6), ECONOMIZER (V-7), SURGE TANK (V-9), COMPRESSOR (C-1A), OIL TRAP (V-10) & CONDENSERS (AC-1A, AC-1B, AC-1C).

PERMIT UNIT REQUIREMENTS

1. Operation shall include lube oil head tank (V-26) and I.C. engine fuel scrubber (V-4) shared between permit unit #'s S-43-4, '-5, '-6, '-7, '-8, and '-9. [District NSR Rule], [Federally Enforceable Through Title V]
2. Compressor distance piece shall be vented to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule], [Federally Enforceable Through Title V]
3. Fuel gas sulfur content shall not exceed 0.3 gr/dscf as H₂S. [District NSR Rule], [Federally Enforceable Through Title V]
4. Condensate from compressor scrubbers and inlet separators shall be piped to low-pressure condensate vessel of permit S-43-1 or to tank S-1130-18. [District NSR Rule], [Federally Enforceable Through Title V]
5. Records of inspections, repairs and maintainance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
6. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081, 3.0], [Federally Enforceable Through Title V]
7. PM-10 emission rate shall not exceed 0.10 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
8. SO₂ emission rate shall not exceed 0.01 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Oxides of nitrogen (as NO₂) emissson rate shall not exceed 2.67 lb/hr and 1.10 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
10. Volatile organic compounds (VOC's) emission rate shall not exceed 3.63 lb/hr and 1.50 grams/bhp-hr. [District NSR Rule], [Federally Enforceable Through Title V]
11. Carbon monoxide (CO) emission rate shall not exceed 9.69 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
12. NO_x and CO emission rates shall be determined by District-witnessed source testing using CARB Method 100 and VOC emission rate shall be determined by District-witnessed source testing using EPA Method 25 or EPA Method 18, referenced as methane, not less than once every 24 months. [District NSR Rule], [Federally Enforceable Through Title V]
13. Documentation of fuel gas sulfur content shall be submitted to District with source test results. [District NSR Rule], [Federally Enforceable Through Title V]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 404 (Madera), 406 (Fresno) and 407 (6 remaining counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201; Rule 402 (Madera) and 404 (all 7 remaining counties in the San Joaquin Valley)]
16. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills. [District Rule 2520, 9.4.2]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2]
19. The operator of an internal combustion (IC) engine shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.5.2]

Initial TV Permit

20. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements of SJVUAPCD Rule 4201; Rules 406 (Fresno), 404 (Madera), 407 (Kern, Kings, San Joaquin, Stanislaus, Merced, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
21. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: Rules 402 (Madera) and 404 (Fresno, Merced, Kern, Kings, San Joaquin, Stanislaus, Tulare). A permit shield is granted from these requirements. [District Rule 2520, 13.2]
22. Permittee shall record the results of portable analyzer measurements of exhaust NOx and CO concentrations as ppmvd corrected to 15% of oxygen. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
23. Permittee shall monitor the nitrogen oxides (NOx) and carbon monoxides (CO) concentrations in the engine exhaust using the portable emission analyzer on a monthly basis. If results of the monthly measurements with the portable analyzer show compliance with the emission limits for (6) consecutive months, monitoring frequency can be decreased to a quarterly basis. If the unit fails to demonstrate compliance with the emission limits, the testing frequency shall return to not less than once every month. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
24. The portable analyzer shall be calibrated prior to each use with a two-point calibration method (zero and span). Calibration shall be performed with Protocol 1 gases. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
25. If the NOx or CO concentrations, as measured by the portable analyzer, exceed the allowable emission rates, the permittee shall notify the District and take corrective action within on (1) hour after detection. If the portable analyzer readings continue to exceed the allowable emission rates, the permittee shall conduct applicable emission limits. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-10-2

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

10,500 GALLON WASTEWATER AND RECYCLED/USED OIL STORAGE TANK (TK-100) WITH DISPOSAL SYSTEM SHARED WITH PERMIT UNITS S-43-11 AND S-43-12 INCLUDING OIL/WATER SEPARATOR SUMP (SP-3) AND MISCELLANEOUS PUMPS AND PIPING

PERMIT UNIT REQUIREMENTS

1. Storage tank shall be gas tight (as defined in Rule 4623) and vented only to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule, District Rule 4623, 5.3], [Federally Enforceable Through Title V]
2. There shall be no venting to the atmosphere from any vessel except during breakdown conditions as defined in District Rule 1100, Section 3.1. [District NSR Rule], [Federally Enforceable Through Title V]
3. Water seal in overflow pipes shall be maintained at a minimum of 6 inches effective height. [District NSR Rule], [Federally Enforceable Through Title V]
4. Underground sump shall be gas-tight (as defined by Rule 4623) and vented only to tank (TK-103) of permit S-43-1. [District NSR Rule, District Rule 4623, 5.3], [Federally Enforceable Through Title V]
5. Oil from separator pump (SP-3) shall be piped only to wastewater tank (TK-100). [District NSR Rule], [Federally Enforceable Through Title V]
6. Wastewater from separator sump (SP-3) shall be piped only to wastewater tank (TK-100). [District NSR Rule], [Federally Enforceable Through Title V]
7. Wastewater in tank shall be piped to Texaco treatment facility in sec. 15. [District NSR Rule], [Federally Enforceable Through Title V]
8. The maximum emission rate of fugitive volatile organic compounds (VOC's) from permit units S-43-1 through S-43-3 and S-43-10 through S-43-12 shall not exceed 7.38 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
9. Records of inspections, repairs and maintenance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the actual annual average hydrocarbon liquid throughput to the storage vessel shall be less than 500 barrels per day. [40 CFR 63.766(a)], [Federally Enforceable Through Title V]
11. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the owner/operator shall install and operate a monitoring instrument that directly measures hydrocarbon liquid flowrate to the storage vessel with an accuracy of +/- 2% or better. The owner/operator shall convert the annual hydrocarbon liquid flowrate to a daily average by dividing the annual flowrate by the days of operation. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the owner/operator shall maintain the records of actual annual average throughput (in terms of hydrocarbon liquid flowrate to the storage vessel per day) as required by 40 CFR 63.774(b)(1). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on API gravity being less than 40 degrees or GOR being less than 1,750 scf/bbl, the API gravity of liquid being stored in tank shall be less than 40 degrees or GOR shall be less than 1,750 scf/bbl. [40 CFR 63.766(a)], [Federally Enforceable Through Title V]
14. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on API gravity being less than 40 degrees or GOR being less than 1,750 scf/bbl, the owner/operator shall maintain records of API gravity and GOR. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
15. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, each storage vessel shall be designed and operated as a closed system at all times with no detectable emissions, except for safety devices as defined in 40 CFR 63.761. [40 CFR 63.766(b)(2)], [Federally Enforceable Through Title V]

Initial TV Permit

16. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the storage vessel cover and all openings on the cover shall be designed to form a continuous barrier over the entire surface area of the liquid in the tank. [40 CFR 63.771(b)(1)], [Federally Enforceable Through Title V]
17. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, each storage vessel opening shall be secured in a closed sealed position whenever material is in the unit on which the cover is installed except: 1) when necessary to add or remove material; 2) when necessary to equalize pressure after adding or removing material; 3) during inspection; 4) during sampling; 5) during maintenance or repair of internal components; and 6) during venting through a closed vent system to a control device meeting the requirements of 40 CFR 63.771(c) and (d). [40 CFR 63.771(b)(2)], [Federally Enforceable Through Title V]
18. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, owner or operator shall visually inspect each storage vessel cover for defects that could result in air emissions. This shall be done following initial installation of the cover and at least once every calendar year thereafter, with the exceptions as specified 40 CFR 63.773(c)(5) and (6). [40 CFR 63.773(c)(A) and (B)], [Federally Enforceable Through Title V]
19. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the closed vent system shall route all gases, vapors, and fumes emitted from the material in a HAP emissions units to a control device that meets the requirements specified in 40 CFR 63.771(d). [40 CFR 63.771(c)], [Federally Enforceable Through Title V]
20. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the closed vent system shall be designed and operated with no detectable emissions. The system may include one or more safety devices, as defined in 40 CFR 63.761. Safety devices must be sealed, except when necessary to prevent physical damage to the unit or equipment during unplanned events. [40 CFR 63.771(c)(2), 63.765(b)(2), and 63.766(b)(2)], [Federally Enforceable Through Title V]
21. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, all bypass devices (except leg drains, high point bleeds, open-ended lines or valves, and safety devices) that could be used to divert emissions from entering the glycol dehydrator process vent emissions control device shall meet the requirements of 40 CFR 63.771(c)(3)(i)A and B. [40 CFR 63.771(c)(3)], [Federally Enforceable Through Title V]
22. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the no detectable emissions (defined as less than 500 ppmv) test procedure shall be conducted in accordance with 40 CFR 63.772(c), 40 CFR 63.765(b)(2), and 40 CFR 63.766(b)(2). [40 CFR 63.772(c), 40 CFR 63.765(b)(2), and 40 CFR 63.766(b)(2)], [Federally Enforceable Through Title V]
23. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct an initial monitoring inspection in accordance with 40 CFR 63.772(c) to demonstrate that the closed vent system operates with no detectable emissions. [40 CFR 63.773(c)(2)(i)(A)], [Federally Enforceable Through Title V]
24. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct an annual visual inspection for defects that could result in air emissions. [40 CFR 63.773(c)(2)(i)(B)], [Federally Enforceable Through Title V]
25. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct a monitoring inspection in accordance with 40 CFR 63.772(c) to demonstrate that each repaired, replaced or unsealed component operates with no detectable emissions. [40 CFR 63.773(c)(2)(i)(B)], [Federally Enforceable Through Title V]
26. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an initial monitoring inspection in accordance with 40 CFR 63.772(c) to demonstrate that the closed vent system operates with no detectable emissions. [40 CFR 63.773(c)(2)(ii)(A)], [Federally Enforceable Through Title V]
27. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an annual monitoring inspection in accordance with 40 CFR 63.772(c) to demonstrate that each component operates with no detectable emissions. [40 CFR 63.773(c)(2)(ii)(B)], [Federally Enforceable Through Title V]
28. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an annual visual inspection for defects that could result in air emissions. [40 CFR 63.773(c)(2)(ii)(C)], [Federally Enforceable Through Title V]
29. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, closed vent system components or cover components designated as unsafe to inspect because inspecting personnel would be exposed to imminent or potential danger are exempt from monitoring requirements provided the owner/operator prepares and follows a written plan that requires inspection as frequently as practicable during safe-to-inspect times. [40 CFR 63.773(c)(5)], [Federally Enforceable Through Title V]
30. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, closed vent system components or cover components designated as difficult to inspect because inspection cannot be conducted without elevating the inspector more than 78 inches above a support surface are exempt from monitoring requirements provided the owner/operator prepares and follows a written plan that requires inspection at least once every five years. [40 CFR 63.773(c)(6)], [Federally Enforceable Through Title V]

Initial TV Permit

31. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, in the event a leak is detected during monitoring of a closed vent system or cover, the leak shall be repaired as soon as practicable. If a leak is detected, it is a violation of this permit to fail to take action to repair the leak within the specified time. If action is taken to repair the leak, failure of the action to repair the leak successfully is not a violation. However, further action must be taken as required by the provisions of this permit. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. Delay of repair is allowed if the repair is technically infeasible without a shutdown, or if the owner/operator determines that the repair would result in greater fugitive emissions than would result from the delay. Delayed repairs shall be conducted by the end of the next shutdown. [40 CFR 63.773 (c)(4)], [Federally Enforceable Through Title V]
32. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for each control device, the owner or operator shall install and operate a continuous parameter monitoring system in accordance with the requirements of 40 CFR 63.773(d). The continuous monitoring system shall be designed and operated so that a determination can be made on whether the control device is achieving the applicable performance requirements of 40 CFR 63.771(d) or 40 CFR 63.771(e)(3). Each continuous parameter monitoring system shall meet the following specifications and requirements as specified in 40 CFR 63.773(d). [40 CFR 63.773(d)], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-11-0

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

10,500 GALLON SLOP OIL STORAGE TANK (TK-101) WITH PIPING TO WASTEWATER RECOVERY SYSTEM ON
PERMIT S-43-10 (REMOVE FROM SERVICE PER PROJECT 950104 - SPL; 2/23/95)

PERMIT UNIT REQUIREMENTS

1. Tank shall be gas-tight (as defined by Rule 4623) and only vented to flare header of permit unit S-43-3. []
2. There shall be no venting to the atmosphere from any vessel except during breakdown conditions pursuant to Rule 1100. []
3. Water seal in overflow pipes shall be maintained at a minimum of 6 inches effective height. []
4. Slop oil in tank shall be piped to Texaco treatment facility in sec. 15. []
5. The maximum emission rate of fugitive volatile organic compounds (VOC's) from permit units S-43-1 through S-43-3 and S-43-10 through S-43-12 shall not exceed 7.38 lb/hr. []
6. Records of inspections, repairs and maintenance of fugitive VOC sources shall be kept and made readily available for District inspection for a period of two years. []

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-12-2

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

1,200 GALLON WASTE FLASH TANK (V-15) VENTED TO VAPOR CONTROL SYSTEM ON S-43-3 WITH DISPOSAL SYSTEM SHARED WITH S-43-10 AND S-43-11

PERMIT UNIT REQUIREMENTS

1. Storage tank shall be gas tight (as defined in Rule 4623) and vented only to the vapor recovery system listed on PTO# S-43-3. [District NSR Rule, District Rule 4623, 5.3], [Federally Enforceable Through Title V]
2. There shall be no venting to the atmosphere from any vessel except during breakdown conditions as defined in District Rule 1100, Section 3.1. [District NSR Rule], [Federally Enforceable Through Title V]
3. The maximum emission rate of fugitive volatile organic compounds (VOC's) from permit units S-43-1 through S-43-3 and S-43-10 through S-43-12 shall not exceed 7.38 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
4. Records of inspections, repairs and maintenance of fugitive VOC sources shall be kept and made readily available for District inspection. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
5. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the actual annual average hydrocarbon liquid throughput to the storage vessel shall be less than 500 barrels per day. [40 CFR 63.766(a)], [Federally Enforceable Through Title V]
6. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the owner/operator shall install and operate a monitoring instrument that directly measures hydrocarbon liquid flowrate to the storage vessel with an accuracy of +/- 2% or better. The owner/operator shall convert the annual hydrocarbon liquid flowrate to a daily average by dividing the annual flowrate by the days of operation. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
7. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on actual annual average hydrocarbon liquid throughput to the storage vessel being less than 500 barrels per day, the owner/operator shall maintain the records of actual annual average throughput (in terms of hydrocarbon liquid flowrate to the storage vessel per day) as required by 40 CFR 63.774(b)(1). [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
8. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on API gravity being less than 40 degrees or GOR being less than 1,750 scf/bbl, the API gravity of liquid being stored in tank shall be less than 40 degrees or GOR shall be less than 1,750 scf/bbl. [40 CFR 63.766(a)], [Federally Enforceable Through Title V]
9. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH but is claiming exemption from storage vessel control requirements based on API gravity being less than 40 degrees or GOR being less than 1,750 scf/bbl, the owner/operator shall maintain records of API gravity and GOR. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
10. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, each storage vessel shall be designed and operated as a closed system at all times with no detectable emissions, except for safety devices as defined in 40 CFR 63.761. [40 CFR 63.766(b)(2)], [Federally Enforceable Through Title V]
11. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the storage vessel cover and all openings on the cover shall be designed to form a continuous barrier over the entire surface area of the liquid in the tank. [40 CFR 63.771(b)(1)], [Federally Enforceable Through Title V]
12. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, each storage vessel opening shall be secured in a closed sealed position whenever material is in the unit on which the cover is installed except: 1) when necessary to add or remove material; 2) when necessary to equalize pressure after adding or removing material; 3) during inspection; 4) during sampling; 5) during maintenance or repair of internal components; and 6) during venting through a closed vent system to a control device meeting the requirements of 40 CFR 63.771(c) and (d). [40 CFR 63.771(b)(2)], [Federally Enforceable Through Title V]

Initial TV Permit

13. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, owner or operator shall visually inspect each storage vessel cover for defects that could result in air emissions. This shall be done following initial installation of the cover and at least once every calendar year thereafter, with the exceptions as specified 40 CFR 63.773(c)(5) and (6). [40 CFR 63.773(c)(A) and (B)], [Federally Enforceable Through Title V]
14. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the closed vent system shall route all gases, vapors, and fumes emitted from the material in a HAP emissions units to a control device that meets the requirements specified in 40 CFR 63.771(d). [40 CFR 63.771(c)], [Federally Enforceable Through Title V]
15. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the closed vent system shall be designed and operated with no detectable emissions. The system may include one or more safety devices, as defined in 40 CFR 63.761. Safety devices must be sealed, except when necessary to prevent physical damage to the unit or equipment during unplanned events. [40 CFR 63.771 (c)(2), 63.765(b)(2), and 63.766(b)(2)], [Federally Enforceable Through Title V]
16. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, all bypass devices (except leg drains, high point bleeds, open-ended lines or valves, and safety devices) that could be used to divert emissions from entering the glycol dehydrator process vent emissions control device shall meet the requirements of 40 CFR 63.771(c)(3)(i)A and B. [40 CFR 63.771 (c)(3)], [Federally Enforceable Through Title V]
17. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, the no detectable emissions (defined as less than 500 ppmv) test procedure shall be conducted in accordance with 40 CFR 63.772(c), 40 CFR 63.765(b)(2), and 40 CFR 63.766(b)(2). [40 CFR 63.772(c), 40 CFR 63.765(b)(2), and 40 CFR 63.766(b)(2)], [Federally Enforceable Through Title V]
18. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct an initial monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that the closed vent system operates with no detectable emissions. [40 CFR 63.773 (c)(2)(i)(A)], [Federally Enforceable Through Title V]
19. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct an annual visual inspection for defects that could result in air emissions. [40 CFR 63.773 (c)(2)(i)(B)], [Federally Enforceable Through Title V]
20. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are permanently or semipermanently sealed (welded joints and bolted and gasketed ducting flanges), the owner/operator shall conduct a monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that each repaired, replaced or unsealed component operates with no detectable emissions. [40 CFR 63.773 (c)(2)(i)(B)], [Federally Enforceable Through Title V]
21. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an initial monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that the closed vent system operates with no detectable emissions. [40 CFR 63.773 (c)(2)(ii)(A)], [Federally Enforceable Through Title V]
22. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an annual monitoring inspection in accordance with 40 CFR 63.772 (c) to demonstrate that each component operates with no detectable emissions. [40 CFR 63.773 (c)(2)(ii)(B)], [Federally Enforceable Through Title V]
23. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for closed vent system joints that are not permanently or semipermanently sealed, the owner/operator shall conduct an annual visual inspection for defects that could result in air emissions. [40 CFR 63.773 (c)(2)(ii)(C)], [Federally Enforceable Through Title V]
24. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, closed vent system components or cover components designated as unsafe to inspect because inspecting personnel would be exposed to imminent or potential danger are exempt from monitoring requirements provided the owner/operator prepares and follows a written plan that requires inspection as frequently as practicable during safe-to-inspect times. [40 CFR 63.773 (c)(5)], [Federally Enforceable Through Title V]
25. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, closed vent system components or cover components designated as difficult to inspect because inspection cannot be conducted without elevating the inspector more than 78 inches above a support surface are exempt from monitoring requirements provided the owner/operator prepares and follows a written plan that requires inspection at least once every five years. [40 CFR 63.773 (c)(6)], [Federally Enforceable Through Title V]
26. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, in the event a leak is detected during monitoring of a closed vent system or cover, the leak shall be repaired as soon as practicable. If a leak is detected, it is a violation of this permit to fail to take action to repair the leak within the specified time. If action is taken to repair the leak, failure of the action to repair the leak successfully is not a violation. However, further action must be taken as required by the provisions of this permit. A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. Delay of repair is allowed if the repair is technically infeasible without a shutdown, or if the owner/operator determines that the repair would result in greater fugitive emissions than would result from the delay. Delayed repairs shall be conducted by the end of the next shutdown. [40 CFR 63.773 (c)(4)], [Federally Enforceable Through Title V]

Initial TV Permit

27. Effective June 17, 2002, if the facility is subject to the requirements of 40 CFR 63 subpart HH, for each control device, the owner or operator shall install and operate a continuous parameter monitoring system in accordance with the requirements of 40 CFR 63.773(d). The continuous monitoring system shall be designed and operated so that a determination can be made on whether the control device is achieving the applicable performance requirements of 40 CFR 63.771(d) or 40 CFR 63.771(e)(3). Each continuous parameter monitoring system shall meet the following specifications and requirements as specified in 40 CFR 63.773(d). [40 CFR 63.773(d)], [Federally Enforceable Through Title V]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-13-1

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

19.2 MMBTU/HR ENERGY TECH HEATER DORMANT EMISSIONS UNIT

PERMIT UNIT REQUIREMENTS

1. This permit unit shall not be operated unless the owner or operator applies to modify the Title V permit to address the requirements of District Rule 2520, section 9.0 for this permit unit. [District Rule 2520, 9.0], [Federally Enforceable Through Title V]
2. This equipment shall not be operated for any reason until necessary retrofits are made so that the equipment is in full compliance with the applicable requirements of District Rule 4305. [District Rule 4305]
3. No modification to this unit shall be performed without an Authority to Construct permit for that modification, except for changes specified in Condition #3, below. [District Rule 2201]
4. All fuel supply lines shall be physically disconnected from this unit. [District Rule 4305]
5. After Dec 16, 1999, emissions from this unit shall not exceed any of the following emissions limits; 30 ppmv NO_x, corrected to 3% oxygen or 400 ppmv CO, corrected to 3% oxygen. [District Rule 4305]
6. A source test demonstrating this unit's compliance with the indicated emissions limits shall be performed within 60 days of recommencing operation of this unit. [District Rule 1070]
7. Particulate matter emissions from any combustion source shall not exceed 0.1 grains/dscf (calculated to 12% carbon dioxide). [District Rule 4301]
8. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
9. Fuel oil sulfur content shall not exceed 1.17% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
10. All combustion equipment (burner, combustion air controls, fuel preheating and atomizing equipment, etc.) shall be operated and maintained as intended by the manufacturer. [District NSR Rule]

Initial TV Permit
San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-14-2

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

185 BHP EMERGENCY DIESEL I.C. ENGINE USED EXCLUSIVELY FOR FIRE FIGHTING SERVICE.

PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
 2. Sulfur compound emissions shall not exceed 0.2% by volume (2000 ppmv), calculated as SO₂, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]
 3. This engine shall be used exclusively for fire fighting services. Operation of the engine shall not exceed 200 hrs per year. [District NSR Rule, District Rule 2520, 9.4.2 and District Rule 4701], [Federally Enforceable Through Title V]
 4. The permittee shall maintain records of the number of hours of non-emergency operation and shall make such records available to District staff upon request. [District Rule 2520, 9.5.2 and District Rule 4701], [Federally Enforceable Through Title V]
 5. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2]
 6. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2]

Initial TV Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: S-43-15-2

EXPIRATION DATE: 08/31/2004

EQUIPMENT DESCRIPTION:

8.0 MMBTU/HR GAS FIRED HEATER

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grain/dscf, calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3]
2. Total sulfur content of natural gas combusted shall not exceed 0.75 grain/100 scf. [District NSR Rule], [Federally Enforceable Through Title V]
3. Excess combustion air shall be maintained at no less than 10% unless continuous operation analyzer/controller is utilized. [District NSR Rule], [Federally Enforceable Through Title V]
4. Heater shall be fired exclusively on natural gas or LPG and shall have no provisions for firing on fuel oil. [District NSR Rule], [Federally Enforceable Through Title V]
5. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Amended December 16, 1993). [District Rule 1081, and Kern County Rule 108.1], [Federally Enforceable Through Title V]
6. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel and record specific type of noncertified fuel used. [District Rule 2520, 9.4.2]
7. The operator shall maintain all records of required monitoring data and support information for inspection at any time. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
8. Each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. If the unit is fired on noncertified gaseous fuel and compliance with SO_x emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072-80, D 3031-81, D 4084-82, D 3246-81 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.4.2]
10. If the unit is fired on noncertified liquid fuel and compliance with SO_x emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the liquid fuel being fired in the unit shall be determined using ASTM D 2880-71. [District Rule 2520, 9.4.2]
11. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels; ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Emission rates shall not exceed any of the following: NO_x (as NO₂): 0.18 lb/MMBtu or CO: 400 ppmvd @ 3% O₂. [District Rule 4305]
13. Source testing to demonstrate compliance with NO_x and CO emission limits shall be conducted not less than once every 12 months, except as provided below. [District Rule 4305]
14. Source testing to demonstrate compliance with NO_x and CO emission limits shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rule 4305]
15. If permittee fails any compliance demonstration for NO_x or CO emission limits when testing not less than once every 36 months, compliance with NO_x and CO emission limits shall be demonstrated not less than once every 12 months. [District Rule 4305]
16. Source test results from an individual unit that is identical to this unit, in terms of rated capacity, operational conditions, fuel used, and control method, as approved by the APCO, will satisfy the NO_x and CO source testing requirement. [District Rule 4305]
17. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081], [Federally Enforceable Through Title V]
18. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081], [Federally Enforceable Through Title V]

Initial TV Permit

19. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
20. The following test methods shall be used: NO_x (ppmv) - EPA Method 7E or ARB Method 100, NO_x (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, and stack gas oxygen - EPA Method 3 or 3A or ARB Method 100. [District Rule 4305]
21. Unit shall be operated and maintained in accordance with the manufacturer's recommendations. [District Rule 4305]

Initial TV Permit